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Cap. 1

# HOGS AND PIGS



Crop  
Reporting  
Board

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## MARCH 1 INVENTORY

Inventory of hogs and pigs on March 1, 1977 in the 14 States conducting Quarterly hog surveys is estimated at 44.2 million head, up 8 percent from a year earlier, according to the Crop Reporting Board.

- Number kept for breeding, at 7.1 million, is up 5 percent from 1976 and up 16 percent from 1975.
- Number for market, at 37.1 million, is 9 percent above 1976 and 8 percent above 1975.

## PIG CROP (DECEMBER 1976 - FEBRUARY 1977)

The December 1976 - February 1977 pig crop in the 14 States totaled 15.6 million, 7 percent above a year ago and 24 percent above two years ago. There were 2.3 million sows farrowed in the 14 States during this period, 12 percent more than the same period in 1975-1976 and 29 percent higher than two years ago.

The December 1976 - February 1977 average litter size was 6.81 pigs compared with 7.11 a year earlier and 7.05 two years ago. This is the lowest litter rate for any quarter for this series of 14 State estimates which began with the December 1972-February 1973 quarter. This low litter rate resulted from deaths to young pigs because of severe cold weather and disease problems.

## FARROWING INTENTIONS

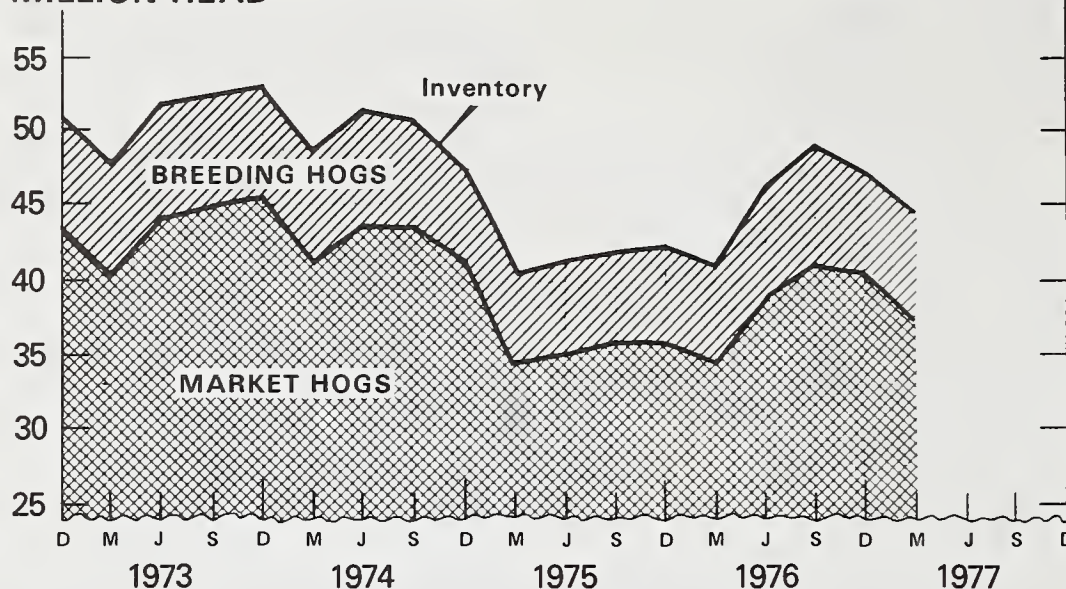
Producers in the 14 quarterly States intend to have 3.0 million sows farrow in the March-May 1977 period, up 3 percent from a year ago and 24 percent above the 1975 period.

Farrowing intentions reported for the June-August 1977 period are 2.6 million sows, 5 percent more than 1976 and 26 percent more than 1975.

# HOG AND PIG INVENTORY

## 14 MAJOR PRODUCING STATES

MILLION HEAD



ESTIMATES MADE QUARTERLY FOR: ILLINOIS, INDIANA, IOWA, KANSAS, MINNESOTA, MISSOURI, NEBRASKA, OHIO, SOUTH DAKOTA, WISCONSIN, GEORGIA, KENTUCKY, NORTH CAROLINA AND TEXAS.

USDA

NEG. SRS 39-77 (3)

### HOG AND PIG INVENTORY

#### 14 MAJOR PRODUCING STATES

DATE OF SURVEY	MARKET	TOTAL <sup>1/</sup>	DATE OF SURVEY	MARKET	TOTAL <sup>1/</sup>
	MILLIONS			MILLIONS	
DEC 1972	43.2	50.6	MAR 1975	34.2	40.3
MAR 1973	40.0	47.6	JUN 1975	34.8	41.0
JUN 1973	43.9	51.6	SEP 1975	35.5	41.5
SEP 1973	44.6	52.2	DEC 1975	35.5	41.9
DEC 1973	45.4	52.8	MAR 1976	34.2	40.9
MAR 1974	40.9	48.5	JUN 1976	39.0	46.1
JUN 1974	43.5	51.1	SEP 1976	42.0	48.8
SEP 1974	43.4	50.2	DEC 1976	40.2	47.0
DEC 1974	40.9	47.2	MAR 1977	37.1	44.2

<sup>1/</sup> BREEDING TOTAL IS DIFFERENCE BETWEEN MARKET HOGS AND TOTAL HOGS.

#### RELIABILITY AND ESTIMATING PROCEDURES

PRIMARY DATA USED IN SETTING THESE HOG ESTIMATES WERE OBTAINED FROM A MULTIPLE FRAME PROBABILITY SURVEY. INFORMATION WAS COLLECTED BY MAIL, TELEPHONE AND PERSONAL INTERVIEWS. SINCE ALL OPERATIONS WITH HOGS WERE NOT INCLUDED IN THE SAMPLE, SURVEY ESTIMATES ARE SUBJECT TO SAMPLING VARIABILITY. THIS VARIABILITY, AS MEASURED BY THE RELATIVE STANDARD ERROR, IS ABOUT TWO PERCENT AT THE 14 QUARTERLY STATE LEVEL FOR HOG INVENTORY. THIS MEANS THAT CHANCES ARE APPROXIMATELY 95 OUT OF 100 THAT A SURVEY ESTIMATE WILL BE WITHIN FOUR PERCENT OF THE COMPLETE COVERAGE VALUE IF THE SAME PROCEDURES WERE USED TO SURVEY ALL PRODUCERS. SURVEY ESTIMATES ARE ALSO SUBJECT TO NON-SAMPLING ERRORS SUCH AS OMISSIONS, DUPLICATIONS, RECORDING AND PROCESSING THE DATA AND MISTAKES IN REPORTING. THESE ERRORS CANNOT BE MEASURED DIRECTLY, BUT THEY ARE MINIMIZED THROUGH RIGID QUALITY CONTROLS ON THE DATA COLLECTION PROCESS AND A CAREFUL REVIEW OF ALL REPORTED DATA FOR CONSISTENCY AND REASONABLENESS.

IN SETTING THE INVENTORY ESTIMATES, THE CROP REPORTING BOARD CONSTRUCTED A 14 STATE QUARTERLY BALANCE SHEET USING ESTIMATES ON BIRTHS, DEATHS AND CHECK DATA ON SLAUGHTER, IMPORTS AND EXPORTS. THIS BALANCE SHEET PROVIDED AN ADDITIONAL CHECK ON SURVEY INVENTORY ESTIMATES.



HOGS AND PIGS: INVENTORY NUMBER, SOWS FARROWING AND PIG CROP,  
1975-1977, 14 STATES 1/

ITEM	1975	1976	1977	1977 AS % OF	
				1975	1976
	1000 HEAD			PERCENT	
INVENTORY NUMBER-MARCH 1					
ALL HOGS AND PIGS	40330	40865	44200	110	108
KEPT FOR BREEDING	6080	6706	7060	116	105
MARKET	34250	34159	37140	108	109
MARKET HOGS AND PIGS					
BY WEIGHT GROUPS:					
UNDER 60 POUNDS	12206	13631	14221	117	104
60-119 POUNDS	8134	7762	8648	106	111
120-179 POUNDS	8043	7324	8405	105	115
180-219 POUNDS	5013	4585	5015	100	109
220 POUNDS AND OVER	854	857	851	100	99
SOWS FARROWING:					
DECEMBER 2/-FEBRUARY	1778	2049	2289	129	112
MARCH-MAY	2428	2910	3/ 2999	124	103
DECEMBER 2/-MAY	4206	4959	4/ 5288	126	107
JUNE-AUGUST	2088	2523	3/ 2637	126	105
SEPTEMBER-NOVEMBER	2103	2520			
JUNE-NOVEMBER	4191	5043			
PIG CROP:					
DECEMBER 2/-FEBRUARY	12540	14566	15595	124	107
MARCH-MAY	17469	21478			
DECEMBER 2/-MAY	30009	36044			
JUNE-AUGUST	15020	18416			
SEPTEMBER-NOVEMBER	15182	17939			
JUNE-NOVEMBER	30202	36355			
PIGS PER LITTER:		NUMBER			
DECEMBER 2/-FEBRUARY	7.05	7.11	6.81	97	96
MARCH-MAY	7.19	7.38			
DECEMBER 2/-MAY	7.13	7.27			
JUNE-AUGUST	7.19	7.30			
SEPTEMBER-NOVEMBER	7.22	7.12			
JUNE-NOVEMBER	7.21	7.21			

- 1/ ILLINOIS, INDIANA, IOWA, KANSAS, MINNESOTA, MISSOURI, NEBRASKA,  
OHIO, SOUTH DAKOTA, WISCONSIN, GEORGIA, KENTUCKY, NORTH CAROLINA, TEXAS  
2/ DECEMBER PRECEDING YEAR.  
3/ INTENTIONS.  
4/ INTENTIONS FOR MARCH-MAY.

HOGS AND PIGS: INVENTORY NUMBERS, BREEDING, MARKET AND TOTAL,  
MARCH 1, 1976-77, 14 STATES

STATE	BREEDING			MARKET			TOTAL		
	1977			1977			1977		
	1976	AS % OF		1976	AS % OF		1976	AS % OF	
	NUMBER	1976		NUMBER	1976		NUMBER	1976	
	1000 HEAD	PERCENT		1000 HEAD	PERCENT		1000 HEAD	PERCENT	
GA	245	248	101	1155	1302	113	1400	1550	111
ILL	872	876	100	4578	4774	104	5450	5650	104
IND	570	555	97	3230	3145	97	3800	3700	97
IOWA	2057	2165	105	10043	11535	115	12100	13700	113
KANS	263	327	124	1487	1753	118	1750	2080	119
KY	166	173	104	784	847	108	950	1020	107
MINN	465	544	117	2535	2656	105	3000	3200	107
MO	525	602	115	2475	2858	115	3000	3460	115
NEBR	405	406	100	2295	2494	109	2700	2900	107
N C	311	288	93	1609	1512	94	1920	1800	94
OHIO	245	262	107	1390	1428	103	1635	1690	103
S DAK	247	270	109	1053	1230	117	1300	1500	115
TEX	130	137	105	660	713	108	790	850	108
WIS	205	207	101	865	893	103	1070	1100	103
TOTAL									
14 STS.	6706	7060	105	34159	37140	109	40865	44200	108

MARKET HOGS AND PIGS: INVENTORY NUMBER BY WEIGHT GROUPS,  
MARCH 1, 1976-77, 14 STATES

STATE	UNDER 60 LBS.		60-119 LBS.		120-179 LBS.		180-219 LBS.		220 LBS. AND OVER	
	1977		1977		1977		1977		1977	
	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977
	1000 HEAD									
GA	497	586	329	350	219	241	81	95	29	30
ILL	1785	1671	1126	1184	916	1112	627	678	124	129
IND	1228	1193	682	682	727	723	533	494	60	53
IOWA	3766	4152	2059	2515	2410	2941	1557	1696	251	231
KANS	610	692	312	407	327	365	193	245	45	44
KY	368	339	153	225	141	148	102	110	20	25
MINN	1077	1156	540	584	558	518	309	345	51	53
MO	1020	1200	645	700	483	572	233	286	94	100
NEBR	826	888	574	586	528	616	321	357	46	47
N C	724	612	402	405	280	304	166	157	37	34
OHIO	584	536	347	378	264	300	167	183	28	31
S DAK	432	516	271	283	200	240	126	166	24	25
TEX	290	303	140	166	130	137	75	82	25	25
WIS	424	377	182	183	141	188	95	121	23	24
TOTAL										
14 STS.	13631	14221	7762	8648	7324	8405	4585	5015	857	851

HOGS AND PIGS: INVENTORY NUMBERS, BREEDING, MARKET AND TOTAL,  
DECEMBER 1, 1975-76, 14 STATES

STATE	BREEDING			MARKET			TOTAL		
	1976			1976			1976		
	1975	AS % OF		1975	AS % OF		1975	AS % OF	
		NUMBER	1975		NUMBER	1975		NUMBER	1975
	1000 HEAD	PERCENT		1000 HEAD	PERCENT		1000 HEAD	PERCENT	
GA	228	259	114	1072	1341	125	1300	1600	123
ILL	823	858	104	4777	5542	116	5600	6400	114
IND	573	552	96	3327	3448	104	3900	4000	103
IOWA	1027	2016	110	10773	12184	113	12600	14200	113
KANS	231	241	104	1419	1609	113	1650	1850	112
KY	168	173	103	832	907	109	1000	1080	108
MINN	465	558	120	2535	3042	120	3000	3600	120
MO	512	585	114	2688	3165	118	3200	3750	117
NEBR	405	443	109	2295	2657	116	2700	3100	115
N C	304	281	92	1596	1659	104	1900	1940	102
OHIO	260	260	100	1415	1640	116	1675	1900	113
S DAK	245	225	92	1155	1275	110	1400	1500	107
TEX	122	119	98	658	731	111	780	850	109
WIS	205	204	100	945	1046	111	1150	1250	109
TOTAL									
14 STS.	6368	6774	106	35487	40246	113	41855	47020	112

MARKET HOGS AND PIGS: INVENTORY NUMBER BY WEIGHT GROUPS,  
DECEMBER 1, 1975-76, 14 STATES

STATE	UNDER 60 LBS.		60-119 LBS.		120-179 LBS.		180-219 LBS.		220 LBS. AND OVER	
	1975	1976	1975	1976	1975	1976	1975	1976	1975	1976
	1000 HEAD									
GA	450	555	327	393	188	253	80	102	27	38
ILL	1863	2051	1362	1524	860	1108	549	676	143	183
IND	1131	1293	1025	1017	682	690	416	341	73	107
IOWA	3878	4836	2855	3180	2338	2303	1379	1499	323	366
KANS	539	644	383	386	255	290	199	249	43	40
KY	341	385	166	199	121	170	125	104	79	49
MINN	1002	1354	673	760	529	530	255	292	76	106
MO	1183	1348	645	744	510	598	269	348	81	127
NEBR	849	1050	585	677	459	518	310	319	92	93
N C	662	647	409	431	263	320	163	166	99	95
OHIO	566	607	340	459	311	349	167	182	31	43
S DAK	520	586	289	289	173	220	138	147	35	33
TEX	234	263	192	212	135	151	74	80	23	25
WIS	463	467	218	279	157	165	84	102	23	33
TOTAL										
14 STS.	13681	16086	9469	10550	6981	7665	4208	4607	1148	1338



FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,  
SEPTEMBER-NOVEMBER 1975-76, 14 STATES

STATE	SOWS FARROWING			PIGS		PIG CROP 1/		
	1976			PER LITTER		1976		
	AS % OF					AS % OF		
	1975	NUMBER	1975	1975	1976	1975	NUMBER	1975
	1000 HEAD	PERCENT		NUMBER		1000 HEAD	PERCENT	
GA	63	76	121	6.90	6.63	435	504	116
ILL	315	360	114	6.85	7.00	2158	2520	117
IND	185	195	105	7.20	7.30	1332	1424	107
IOWA	540	715	132	7.25	7.00	3915	5005	128
KANS	90	99	110	7.40	7.15	666	708	106
KY	50	57	114	7.25	7.25	363	413	114
MINN	165	220	133	7.40	7.25	1221	1595	131
MO	190	225	118	7.25	7.25	1378	1631	118
NEBR	145	180	124	7.35	7.18	1066	1292	121
N C	83	82	99	7.30	7.10	606	582	96
OHIO	85	94	111	7.30	7.24	621	681	110
S DAK	80	95	119	7.20	7.20	576	684	119
TEX	35	37	106	7.30	7.10	256	262	102
WIS	77	85	110	7.65	7.50	589	638	108
TOTAL								
14 STS.	2103	2520	120	7.22	7.12	15182	17939	118

1/ NUMBER OF PIGS BORN SEPTEMBER THROUGH NOVEMBER,  
THAT WERE ON HAND DECEMBER 1, OR HAD BEEN SOLD.

FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,  
DECEMBER 1/-FEBRUARY 1976-77, 14 STATES

STATE	SOWS FARROWING			PIGS		PIG CROP 2/		
	1977			PER LITTER		1977		
	AS % OF					AS % OF		
	1976	NUMBER	1976	1976	1977	1976	NUMBER	1976
	1000 HEAD	PERCENT		NUMBER		1000 HEAD	PERCENT	
GA	77	85	110	6.76	6.71	521	570	109
ILL	275	285	104	7.00	6.50	1925	1853	96
IND	195	195	100	6.80	6.30	1326	1229	93
IOWA	520	630	121	7.25	7.10	3770	4473	119
KANS	94	110	117	7.05	7.35	663	809	122
KY	54	57	106	7.00	5.70	378	325	86
MINN	164	200	122	7.30	7.00	1197	1400	117
MO	160	197	123	7.15	6.54	1144	1288	113
NEBR	127	140	110	7.20	7.20	914	1008	110
N C	116	108	93	7.10	6.80	824	734	89
OHIO	90	98	109	7.10	6.40	639	627	98
S DAK	64	70	109	7.00	7.22	448	505	113
TEX	48	49	102	6.80	6.30	326	309	95
WIS	65	65	100	7.55	7.15	491	465	95
TOTAL								
14 STS.	2049	2289	112	7.11	6.81	14566	15595	107

1/ DECEMBER PRECEDING YEAR.

2/ NUMBER OF PIGS BORN DECEMBER THROUGH FEBRUARY,  
THAT WERE ON HAND MARCH 1, OR HAD BEEN SOLD.



FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,  
MARCH-MAY 1975-77, 14 STATES

STATE	SOWS FARROWING				PIGS		PIG CROP 1/			
	1977 2/				PER LITTER		1976			
	AS % OF						AS % OF			
	1975	1976	NUMBER	1976	1975	1976	1975	NUMBER	1975	
	1000 HEAD				PERCENT		1000 HEAD			
GA	62	80	80	100	6.97	6.94	432	555	128	
ILL	380	420	425	101	6.95	7.15	2641	3003	114	
IND	170	230	215	93	7.30	7.40	1241	1702	137	
IOWA	745	880	920	105	7.15	7.35	5327	6468	121	
KANS	82	102	120	118	7.30	7.25	599	740	124	
KY	55	62	70	113	7.00	7.25	385	450	117	
MINN	170	195	220	113	7.20	7.70	1224	1502	123	
MO	190	235	245	104	7.23	7.50	1374	1763	128	
NEBR	160	205	205	100	7.50	7.55	1200	1548	129	
N C	93	116	114	98	7.60	7.50	707	870	123	
OHIO	90	110	112	102	7.30	7.60	657	836	127	
S DAK	112	130	134	103	7.15	7.30	801	949	118	
TEX	34	45	45	100	7.30	7.60	248	342	138	
WIS	85	100	94	94	7.45	7.50	633	750	118	
TOTAL										
14 STS.	2428	2910	2999	103	7.19	7.38	17469	21478	123	

1/ NUMBER OF PIGS BORN MARCH THROUGH MAY,  
THAT WERE ON HAND JUNE 1, OR HAD BEEN SOLD.

FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,  
JUNE-AUGUST 1975-77, 14 STATES

STATE	SOWS FARROWING				PIGS		PIG CROP 1/			
	1977 2/				PER LITTER		1976			
	AS % OF						AS % OF			
	1975	1976	NUMBER	1976	1975	1976	1975	NUMBER	1975	
	1000 HEAD				PERCENT		1000 HEAD			
GA	62	80	80	100	6.70	7.20	415	576	139	
ILL	335	355	355	100	6.85	7.05	2295	2503	109	
IND	190	230	225	98	7.30	7.50	1387	1725	124	
IOWA	575	690	750	109	7.16	7.35	4117	5072	123	
KANS	70	88	102	116	7.50	7.25	525	638	122	
KY	52	64	64	100	7.25	7.10	377	454	120	
MINN	155	195	220	113	7.30	7.45	1132	1453	128	
MO	160	210	235	112	7.34	7.05	1174	1481	126	
NEBR	125	155	155	100	7.25	7.25	906	1124	124	
N C	94	116	110	95	7.20	7.50	677	870	129	
OHIO	85	110	110	100	7.70	7.30	655	803	123	
S DAK	68	84	84	100	7.30	7.30	496	613	124	
TEX	42	50	53	106	7.00	7.30	294	365	124	
WIS	75	96	94	98	7.60	7.70	570	739	130	
TOTAL										
14 STS.	2088	2523	2637	105	7.19	7.30	15020	18416	123	

1/ NUMBER OF PIGS BORN JUNE THROUGH AUGUST,  
THAT WERE ON HAND SEPTEMBER 1, OR HAD BEEN SOLD.

2/ INTENTIONS.

